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für Luft- und Raumfahrt e.V.
Institut für Experimentelle Strömungsmechanik



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Göttingen, November 7, 1988

R & D 5810-AN-01

Contract DAJA 45-87-C-0046

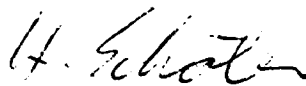
**"KINETIC ENERGY FINNED PROJECTILE AERODYNAMIC
HEATING MEASUREMENTS"**

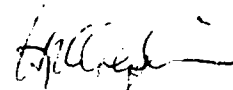
Third Interim Report

Manufacturing of the models has been finished, see the enclosed photographs (Figs. 1-4).

Fig. 1 shows the model with $L1 = 15 D$, and Fig. 2 the complete model with $L1 = 10 D$ as well as the long forebody mounted on the short sting. The complete set of model components is presented in Figs. 3 and 4.

The preliminary tests of the models in the Ludwig Tube Facility will be carried out in November 1988. The final tests are planned for spring 1989.


H. Schöler
(Principle Investigator)


H.-P. Kreplin
(Associate Investigator)

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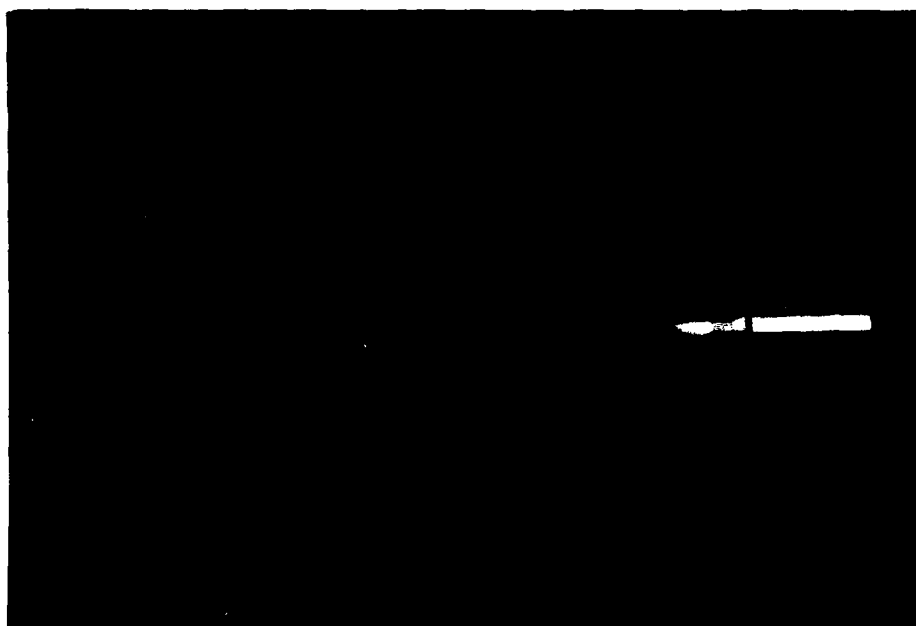


Figure 1

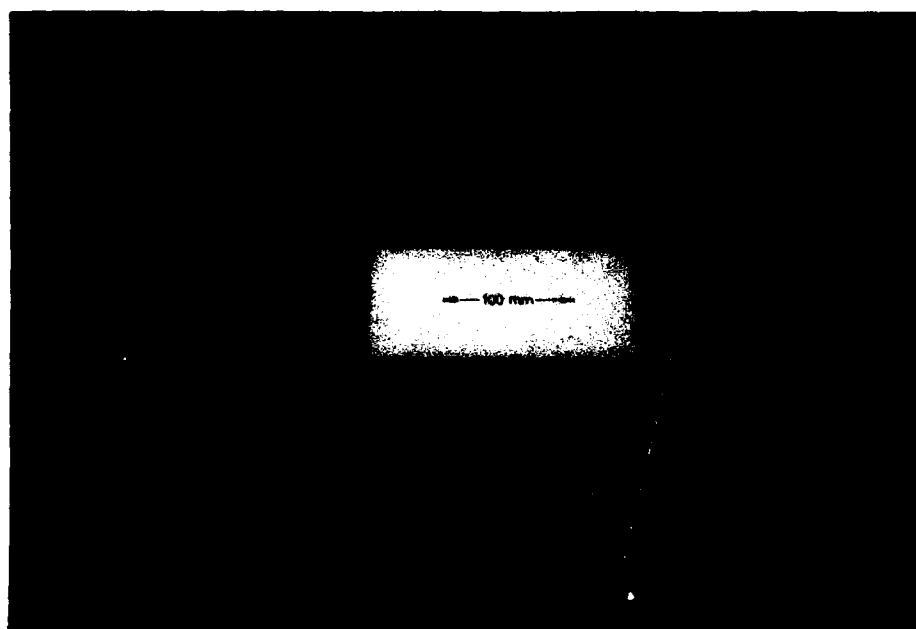


Figure 2



perform 50



Figure 3

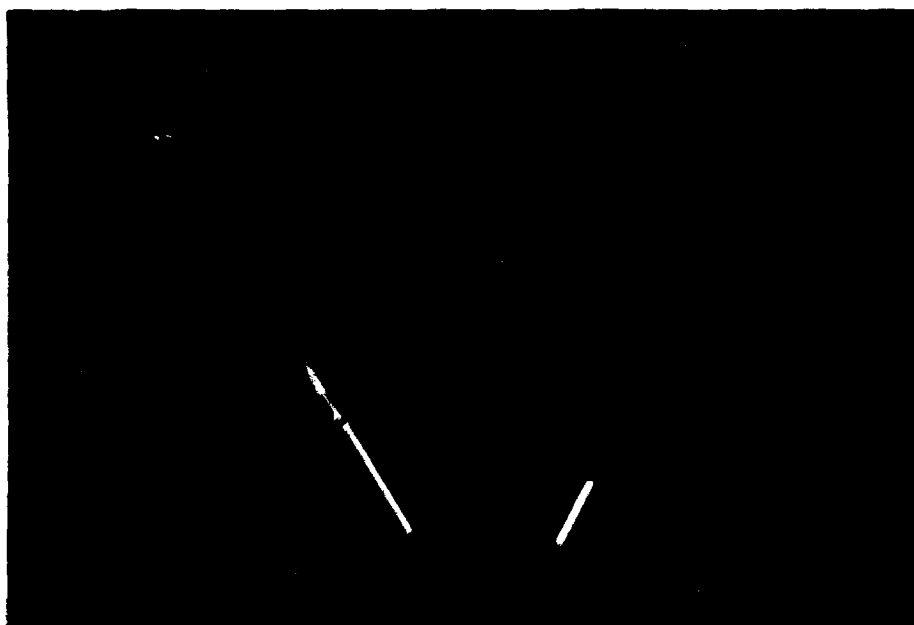


Figure 4